BULLETIN

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WHY THE CITY OF MT. CLEMENS REQUIRES PREQUALIFIED CONTRACTORS

by **EDWIN E. WHEDON**, City Manager

"Because of the heavy demands on all street construction dollars, it is doubly important that city officials avoid the problems caused by inefficient and inexperienced contractors.

"As former City Engineer of Mount Clemens I have learned that contractor prequalification prevents the waste of tax dollars caused by lack of proper equipment, lack of manpower, lack of safety measures and lack of general know-how, causing failure to meet completion schedules and inept handling of traffic.

"We require a current Michigan State Highway Department prequalification rating of **all** bidders. We know then that we will be working with top quality contractors who have the experience, manpower, equipment, and financial backing to build our city streets to the same high standard as that found in our state highway system."

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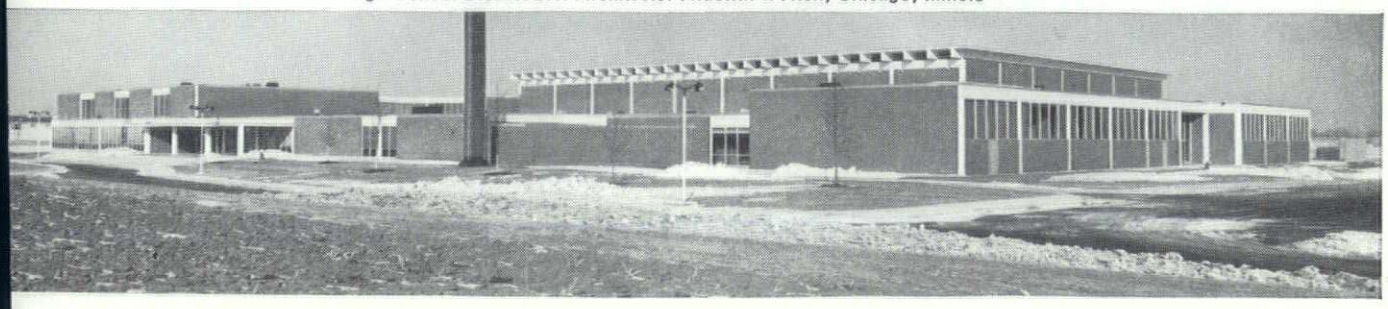

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P-F Assoc., Inc., 10160 W. 9 Mile ..... JO 6-7938
Savage, Gilbert W., 13650 W. 8 Mile Road .... LI 8-8189
Stein, Leo, 25301 Montmartre Ct. 541-1773

OKEMOS

Olds, J. Wesley, The Bank Bldg., P.O. Box 251 .. 332-1368

PLYMOUTH

Balogh, Tivadar, 49800 Joy Road..... GL 3-2400
Joseph & Orbach Assoc., 320 S. Main St. 453-6330
Pine, Harold E., P.O. Box 112 453-1720
Smith, William P., Jr., 15560 Robinwood ..... GL 3-1131

PONTIAC

Denyes Associates, Inc.,
615 Community National Bank Bldg. ..... FE 8-0409
Friedman, Jack S., & Assoc., 373 S. Telegraph 335-0501
Heenan, George A., 1016 Berwick Blvd. ..... FE 2-1622

PORT HURON

Wyeth, Harman & Assoc., Inc., 407 Fort St. .... YU 2-9523

ROYAL OAK

Bartlett, Francis O., 3517 Rochester Rd. 588-5533
Ditchy, Clair, & Assoc., 1232 S. Woodward .... LI 8-4200
Lytle, George D., 2300 N. Woodward ..... LI 7-8280
Smith & Smith Associates, 304 S. Main St. 544-1750

SAGINAW

Allen, Samuel C. & Assoc., 603 Bearinger Bldg. . PL 5-8711
Beach & Waters, Architects, 1023 S. Jefferson 753-1403
Frantz, Robert B., FAIA, 326 N. Washington .... PL 2-8133
Oeming & Nelson, 407½ N. Hamilton 754-4661
Prine-Toshach-Spears, Architects & Engineers, Inc.
709 Federal 754-6551
Spence & Smith, 1241 N. Michigan Ave.,..... 753-3401
Stenglein, William C., 5417 Weiss 792-4680
Wigen, Tincknell & Assoc., Inc., 3444 Davenport 793-3581

ST. CLAIR SHORES

Wakely-Kushner Assoc., Archts., 21429 Mack .. PR 8-8822

ST. JOHNS

Pardee, St. Clair, 601 E. McConnell 224-3991

ST. JOSEPH

McGrath, D. J., & Assoc., 615 Broad St. ..... YU 3-6305

SOUTHFIELD

Hardy, Jack L., 18610 W. 8 Mile 353-3711
Pellerin & Daubresse, Assoc., 18317 Westover .. EL 6-1995
Sachs, Melvin H. & Assoc., 28630 Southfield 353-3055
Sundberg-Ferar, Inc., 24469 W. 10½ Mile Road EL 6-8600
Tuttle, Edward X., Jr., 30801 Northgate Drive MI 6-9772

SUTTONS BAY

Arai, T. Glenn, 314 St. Joseph St. ..... BR 1-2431

TRAVERSE CITY

Cornwell, Gordon, 401 E. Front St. 946-7711
Field, Harford, & Assoc., Architects,
148 E. Front St..... WI 6-7116
Hazelton, Paul A., Grand View Parkway..... WI 7-7318
Stiffler, David L., 300 Grandview Pkwy ..... WI 6-7858
Strong, Drury & Cunningham,
304-305 State Bank Bldg. .....WI 6-7331

VERMONTVILLE

King, Christopher, Vermontville Hwy. ..... CL 9-3295

WARREN

Berklich, Louis, Arch. & Assoc., 32480 Mound .. SL 5-1060

WAYNE

Van Reyendam, Dirk, 3911 Newberry St. ..... PA 2-0515

WYANDOTTE

Yops, Jack W., 3005 Biddle 285-1924

YPSILANTI

Gerganoff, R. S., 206 N. Washington ..... HU 2-0083
Gerganoff, Z. T., 103 W. Michigan Ave., ... HU 2-0028
Swartz & Morhous, 512 W. Cross ..... HU 3-4332

Editor's Note: Please advise the Monthly Bulletin office of any corrections or additions to this Roster.

How to keep workers out on the dock... from being out in the cold

Do your workers waste valuable time because they are cold?

Dock workers could dress warmly enough for the outdoors – but then they'd be too warm after re-entering a heated building. Or they'd lose valuable time slipping in or out of a coat.

Or you could solve the problem by installing infrared quartz lamps.

That way men can work comfortably, even in shirt sleeves, on a loading dock while the air temperature two feet away may be below freezing.

Quartz lamps radiate heat like the sun. Electric radiant energy warms only the objects it strikes, not the air. Warmth is instantaneous – there's no waiting for warm-up even after a cold night. And when quartz lamps are on, they light the area, and keep it free of snow and ice.

Comfort heating with quartz lamps can be used for large open areas, such as loading docks. Or use the lamps for spot heating or wherever warm air heating is inefficient or ineffective.

Improved efficiency of the workers and safety have paid for radiant heating installations.

Want to hear more? Good. In the Metropolitan Detroit area, call WO 2-2100, ext. 2861. Elsewhere, call your Edison office.

EDISON

THEREFORE, when we build, let us think that we build forever. Let it not be present delight, nor for present use alone, let it be such work as our descendants will thank us for, and let us think, as we lay stone on stone, that a time is to come when those stones will be held sacred because our hands have touched them, and that men will say as they look upon the labor and the wrought substance of them, 'See! this our fathers did for us.'—JOHN RUSKIN

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NEWS

Damaz Speaker for Allied Arts Festival

Paul F. Damaz, AIA, will be the featured speaker at the Detroit Chapter's Allied Arts Festival, Saturday, November 20th. He will discuss "Art in Urban Architecture."

Damaz, who holds a Diploma of Architect from the Ecole Speciale d'Architecture, Paris and a Master of Town Planning degree from the Institut d' Urbanisme, University of Paris (Sorbonne), is a partner in the firm of Damaz & Weigel, Architects & Planners, New York.

He was assistant to Wallace K. Harrison on the Design of the United Nations Headquarters, 1948-50 and with Harrison & Abramovitz on the Design of the Republic National Bank, Dallas, 1950-52. From 1953 until founding his present firm in 1962, he was associated with Brother Cajetan Baumann, O.F.M. as chief designer in charge of planning, design and art coordination.

Damaz is Vice-President of the Architectural League of New York and a member of the French Ordre des Architectes. He received the Arnold Brunner Award in 1958.

He has had numerous articles on U.S. architecture, Church architecture and the integration of the arts published in Progressive Architecture, Architectural Forum, Art and Architecture, Craft Horizons and L'Architecture d'Aujourd'Hui. His published books are "Art in European Achitecture," 1956 and "Art in Latin American Architecture," 1963.

He was an associate editor of L'Architecture d'Aujourd'Hui, 1946-48 and is its permanent correspondent in the U.S.A. He has given various talks on architectural activities in the U.S.A. over the "Voice of America," is a contributor to "New Catholic Encyclopedia" and has given numerous lectures on church architecture and integration of the arts.

He has also served as an achitectural critic at Columbia University's School of Architecture.

ESD Schedules Refresher Courses

In preparation for writing the Michigan State Registration Examinations for Architects the courses outlined below have been designed to reinforce and refresh previous backgrounds. Eligibility for writing the State Board Examination is based on four years experience plus an appropriate degree —or eight years experience in lieu of a degree. Part IV (Architects) may be written by those having completed only the academic requirements. The Refresher Courses are open to all members of ESD and its 50 Affiliated Societies and are sponsored by the Affiliated Council of The Engineering Society of Detroit.

Parts I, II, V, VI and VII — January 8, 1966
Consists of 11 two-hour sessions on mechanical equipment, electrical equipment, composition, specifications, supervision and history; 11 successive sessions on Saturdays at 1:00 P.M. — Tuition $20.00

PART III — March 26, 1966
Consists of 3 four-hour sessions on design problems; three successive Saturdays at 1:00 P.M.—Tuition $15.00

Part IV — April 16, 1966
Consists of 4 four-hour sessions on stress analysis, concrete design, and structural steel design; four successive Saturdays at 1:00 P.M. — Tuition $20.00

All Parts—Architects Tuition $45.00
For further information and application forms, contact the Engineering Society of Detroit, 100 Farnsworth, Detroit 48202; telephone 832-5400.

INSTRUCTOR

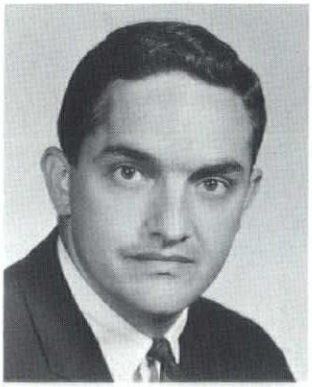
To teach in two-year collegiate program at Ferris State College, Big Rapids, Michigan. Bachelor's degree (in architecture or related field) and architectural experience essential. Reply to Dean Edgar E. Stahl, School of Technical and Applied Arts.

Hanoute Named Associate of Gibbs, Tomblinson & Harburn

David L. Hanoute, A.I.A., has been named an associate of Gibbs, Tomblinson & Harburn, Architects, Flint architectural firm, it was announced by Clifford E. Gibbs, A.I.A., senior partner.

Hanoute joined Gibbs, Tomblinson & Harburn in April, 1964, and has been serving as a Project Architect and Designer.

A 1953 graduate of Pontiac Central High School, he received the degree of Bachelor of Architecture from the University of Michigan in 1959.



Previously employed as a Designer with MacKenzie, Knuth & Klein, Flint, he was registered in Michigan in 1964.

Hanoute is a member of the Flint Area Chapter, American Institute of Architects and of the Michigan Society of Architects.

Traverse City Firm Awarded Lercaro Prize

Strong, Drury and Cunningham, Traverse City architectural firm, received the second prize in the 1965 Cardinal Lercaro Architectural Competition sponsored by the North American Liturgical Conference.

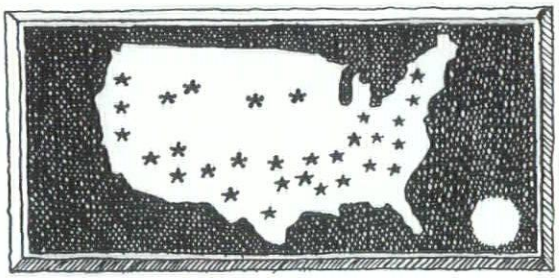
The award-winning entry was for the design of St. Hubert's Church of Lyon Manor near Roscommon and was judged in competition with over forty entries from all parts of the United States and Canada.

The project includes a new sanctuary addition to an existing building (white portion to the right in photo). The existing nave will become a parish hall and overflow seating. The new nave will seat approximately 320 and

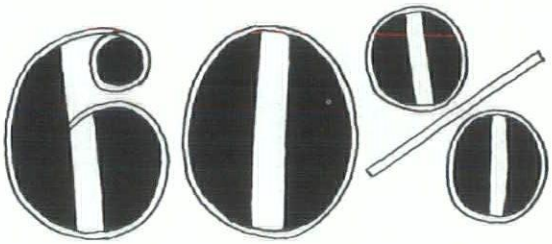
(Continued on page 23)

Natural gas total energy systems for on-site power generation

Now natural Gas total energy systems are providing on-site power generation, heating and air conditioning in schools, commercial buildings, industrial plants, apartment buildings and others from coast to coast.

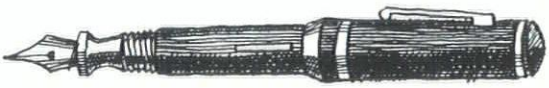


How? Through the Gas total energy concept, where natural Gas engines or turbines are used to power electric generators, while heat that otherwise would be wasted is recovered and put to work in meeting all heating and air conditioning requirements.



Economical? These natural Gas total energy systems are operating at efficiencies of 60% or more. And their versatility and dependability of operation are winning hands down over other competitive-type systems.

As an added bonus to Michigan users, special rates are available which contribute



still further to the attractiveness of natural Gas total energy systems. Isn't it worth your while then to find out more about Gas total energy systems and how they can benefit your planned or present projects? Just write or call Michigan Consolidated Gas Company, One Woodward Avenue, Major Project Sales Division, Detroit, Michigan. 965-8000, ext. 2975.

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ARCHITECTURAL SERVICES

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DOCUMENT NO. MSA 65-8

ARCHITECTURE

The Art and Science
of Creating Man's Environment

Today's buildings are highly complex. They must meet rigid requirements for health and safety and fulfill the need for functional and aesthetic excellence. Your architect provides the professional services necessary to satisfy these demands.

An architect is licensed to practice by the State. After a minimum of eight years of study and professional in-training experience, he must pass extensive examinations to demonstrate his qualifications to practice Architecture.

Also governing the practice of Architecture are the ethical standards of the profession. Since 1857, the American Institute of Architects, of which the Michigan Society is a part, has enforced mandatory standards of ethical professional practice. Compliance with these standards is a requisite for membership in the Institute.

As in other professions, the quality of service received is dependent upon the time and attention the architect is permitted to devote to his client. If an architect is to achieve quality buildings at reasonable cost, he must receive adequate compensation. His client is his only source of remuneration.

The Michigan Society of Architects has evolved a schedule of recommended basic fees which will permit the architect to render the quality services which are in the best interests of the public and his clients. That schedule is included as a part of this brochure for your information.

1

BASIC SERVICES OF YOUR ARCHITECT

Your architect will advise you on design and construction of your building project, making available his time, talents, knowledge and experience. He will be your consultant and your agent, when so authorized. His basic services will cover the entire project including architectural and structural design; electrical, plumbing, heating and air conditioning systems; all other materials or equipment required.

He may employ consultants but will retain overall responsibility for the project.

Basic services are divided into five phases.

1. PRELIMINARY SCHEMATIC DESIGN:

- Review client's requirements for the building.
- Counsel on general plan and design; feasibility of site; availability of utilities; zoning ordinances, building codes and other governmental restrictions.
- Develop schematic plans for the building and its relation to the site and other buildings.
- Estimate cost of buildings (based on area, volume or other unit costs), equipment furnishings, site improvements, landscaping and professional fees—to determine the compatibility of the client's building needs and his budget.

2. DESIGN DEVELOPMENT:

- Prepare preliminary drawings and specifications to establish size and character of the building; its materials, structure, mechanical and electrical systems.
- Evaluate estimates of costs.

3. CONSTRUCTION DOCUMENTS:

- Complete working drawings and specifications prescribing in detail the work to be done; materials, workmanship, finishes, and equipment required; bidding and construction information.
- Adjust estimates of project construction costs, because of changes in scope, requirements or market conditions.
- Secure approval of governmental agencies having jurisdiction over the project.

4. BIDDING AND AWARD:

- Prepare advertisements for bids or arrange for bids from qualified contractors.
- Issue copies of working drawings and specifications to bidders.
- Receive and open bids with the client.
- Advise the client as to qualifications of bidders and reasonableness of bids received; make recommendations on the award of a construction contract.
- Provide technical information for preparation of construction contracts by client's legal counsel.

5. CONSTRUCTION:

- Review samples, schedules, and shop drawings for conformance with drawings and specifications.
- Issue bulletins and change orders to adapt to field conditions or changes requested by the client.
- Make periodic visits to the site to determine that the work is proceeding in accordance with the contract documents.
- Determine amounts owing to the contractor and issue certificates for payment, certifying that to the best of his knowledge, information and belief, the quality of the work is in accordance with the contract documents and has progressed to the point indicated.
- Receive and deliver to the client all bonds, guarantees, and other evidence of insurance or security required by the construction contract.
- Establish the date of "substantial completion of construction."
- Obtain from the contractor, prior to authorization of final payment, a statement that all bills have been paid and that the contractor will hold the owner and the architect harmless from any liens or other obligations arising out of construction covered by his contract and authorization from the bonding company for release of funds to the value of the original contract plus all change orders.

When the project has been completed and the final certificate for payment has been issued, the basic services of the architect have been completed.

2

ADDITIONAL ARCHITECTURAL SERVICES

The client may desire the architect to provide supplementary services which are not included in the normal basic services. Those supplementary services most often requested for complete project analysis and development are listed below. The additional costs of such services should be agreed upon before the services are rendered, if not stipulated in the original agreement.

- Develop planning surveys and special analysis to establish or clarify requirements of the project.
- Prepare preliminary or schematic design of a master plan for a project larger than is to be built initially.
- Make measured drawings of existing conditions when required for planning additions or alterations.
- Supply special models, renderings or other material for promotional or exhibition use.
- Draft special documents for unusual bidding requirements to permit portions of the work to be let separately or preparing alternates that require an unusual amount of extra drawings of alternates not necessary to the control of construction costs.
- Revise previously approved documents to accomplish changes which the client may desire.
- Render extra services necessary because of unusual conditions or circumstances such as fire, wind storm or other catastrophe during construction, default of a contractor or controversy with contractors or others involving arbitration or the courts.
- Prepare "as-built" drawings.
- Inspect the project prior to expiration of the guaranteed period and report observed discrepancies under guarantees provided by the construction contracts.
- Associate with special consultants, other than the normal mechanical and electrical engineering consultants, required or approved by the client to augment the architect's normal services.
- Developed detailed or semi-detailed construction cost estimates.
- Compile maintenance manuals.
- Prepare documents for alternate bids for work which is not finally constructed and for deductive change orders.

3

COMPENSATION FOR ARCHITECTURAL SERVICES

Method I. PERCENTAGE OF CONSTRUCTION COST:

Compensation is based upon complexity and dollar value of the project, according to the "Types of Construction Projects" and "Schedule of Recommended Basic Compensation" which follows.

Construction cost, for compensation purposes, includes all work for which the architect rendered service—whether by drawings, specifications, advice or consultation. It does not include compensation paid the architect or consultants.

This method of determining the architect's compensation applies to basic services, including all normal architectural and engineering services required. If additional services are required, a separate agreement as to the method of compensation should be predetermined.

Method II. COMPENSATION PLUS OFFICE COSTS:

The architect is compensated for his professional services plus the payroll cost of technical personnel and the proportionate amount of office overhead.

Method III. MULTIPLE OF DIRECT EXPENSE:

When the extent of architectural services cannot be determined in advance, compensation may be a multiple of direct payroll expense.

Method IV. PER DIEM OR HOURLY RATE:

This method is applicable to services such as consultations, reports, opinions, and expert testimony.

Time spent in travel is properly charged as part of the work.

Method V. TOTAL COSTS:

This method is applicable to services such as consultations, reports, opinions, and on invested capital.

REIMBURSABLE EXPENSES:

Reimbursable expenses are in addition to the basic compensation in each of the above methods and include actual expenditures made by the architect in the interest of the project for the following incidental expenses:

- Long distance calls and telegrams.
- Fees paid for securing approval of authorities having jurisdiction over the project.
- Reproduction of drawings and specifications, excluding copies for architect's own use and duplicate sets at each phase for the owner's review and approval.

SCHEDULE OF PAYMENTS:

Payments are normally made monthly, in proportion to the services performed, to increase compensation for basic services to the following percentages at the completion of each phase of service:

Preliminary Schematic Design	15%
Design Development	35%
Construction Documents	75%
Bidding and Award	80%
Construction	100%

4 TYPES OF CONSTRUCTION PROJECTS

TYPE A:

Garages
Parking Ramps
Loft Buildings
Simple Industrial
Simple Stores
Utility Buildings
Warehouses

Other structures of simple utilitarian character which are without complication of design or detail and require a minimum of simple finish, mechanical finish, mechanical and electrical work.

TYPE B:

Apartment Buildings
Armories
Auditoriums
Banks
City Halls
College Buildings (See also Type C)
Department Stores
Dormitories
Detention or Custodial Buildings
Fire Stations
Complicated Industrial
Food Service Buildings
Hotels
Public Housing
Schools, Public and Private
Laundries
Libraries
Office or Administration Bldgs.
Recreational Buildings
Shopping Centers
Theaters
Process Buildings

Other structures of conventional character requiring normal care in design, detail and equipment.

TYPE C:

Convalescent Homes
Health Clinics
Hospitals
Laboratories
Medical, Dental or Veterinary Offices
Power Plants

Buildings for Research, Teaching of Medicine, Veterinary Medicine, Chemistry or other Sciences.

Other structures of exceptional character requiring the greatest skill in design and containing comparatively large amounts of complex scientific, mechanical and electrical equipment.

TYPE D:

Churches
Chapels

Religious Educational Facilities (other than day schools)

TYPE E:

Private residences

TYPE F:

Site Development and Landscaping

Furnishings consisting of fixed and movable equipment for buildings of Type A, B, C, D and E above.

5 SCHEDULE
RECOMMENDED BASIC COMPENSATION

BASIC COMPENSATION—% OF CONSTRUCTION COSTS

Construction Cost*	Type A	Type B	Type C	Type D	Type E	Type F
Up to 5,000						15.0
10,000						13.0
25,000						12.0
50,000	7.0	8.0	9.0	10.0	15.0	11.0
100,000	6.5	7.5	8.5	9.5	12.0*	10.0*
200,000	6.3	7.3	8.3	9.3		
300,000	6.1	7.1	8.1	9.1		
400,000	6.0	7.0	8.0	9.0		
500,000	5.9	6.9	7.9	8.9		
600,000	5.8	6.8	7.8	8.8		
800,000	5.6	6.6	7.6	8.6		
1,000,000	5.4	6.4	7.4	8.4		
1,500,000	5.2	6.2	7.2	8.2		
2,000,000	5.0	6.0	7.0	8.0		
2,500,000	4.8	5.8	6.8	7.8		
3,000,000	4.7	5.7	6.7	7.7		
4,000,000	4.6	5.6	6.6	7.6		
5,000,000	4.5	5.5	6.5	7.5		

*Over $50,000

*When Construction cost falls between amounts shown, the fee shall be determined by interpolation.

For construction contracts involving remodeling, alteration of or addition to existing buildings add an additional factor, depending upon the complexity of the project, to the basic compensation rates shown above to determine the basic compensation for that portion of such contracts.

For construction contracts involving reuse of construction documents compensation is normally less than the basic compensation for original use, plus an hourly rate or fixed fee for any required changes. Variations shall be determined to suit the particular circumstances.

SEPARATE CONTRACTS:

The schedule of basic compensation applies when all construction is let under a single building construction contract. Increased compensation is required if separate building construction contracts are let, thereby increasing the architect's services, expenses and responsibilities. In situations where separate bids are taken and the successful bidders are assigned as subcontractors to the general contractor, the increased compensation to the architect may be less than when contracts are awarded.

12 APRILS

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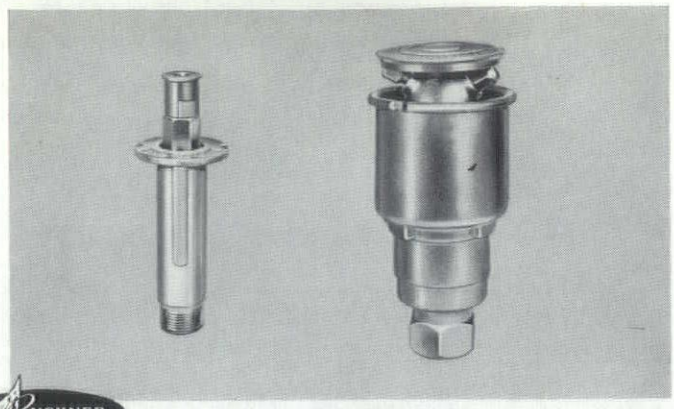

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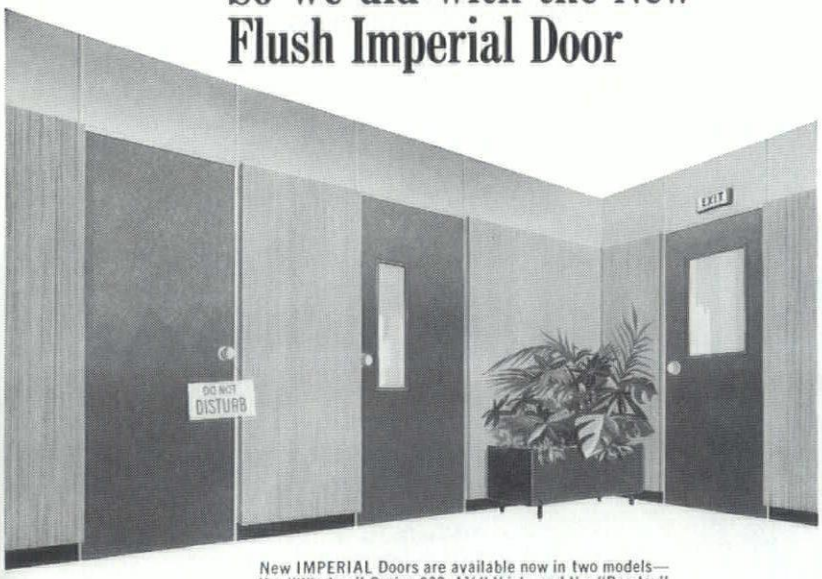

New IMPERIAL Doors are available now in two models—the "Windsor" Series 638, 1¾" thick, and the "Barclay" Series 634, 1¾" thick. Both feature full flush design, easily adaptable to any glass or louver treatment, integral hinge reinforcement, integral lock reinforcement, and integral fully welded perimeter channel.

Handsome is as handsome does, and this new-as-this-hour design is flush, smooth—not a seam to be seen. Adaptable to every interior, new IMPERIAL comes with a glass frame section including a snap in glazing bead for easy conversion to any glass treatments. A wide variety of louver treatments are possible. (Means that every IMPERIAL Door in stock can answer many, many requirements.) And, for more savings, IMPERIAL is *reversible*—no "handing." No trouble to hang square, IMPERIAL will *stay* square because it's made of heavy gage steel with a complete perimeter channel fully welded—no sag, bind, warp, or split, ever. Rust-inhibited, all surfaces are five-step phosphatized—and IMPERIAL is preprimed so you're not delayed by paint preparation. We prepackage the doors to protect these surfaces, thus you can be sure every one is ready when you need it. Need doors right now? Ask for IMPERIAL, the finest door made today. We'll deliver immediately, out of complete stocks waiting in our network of warehouses.

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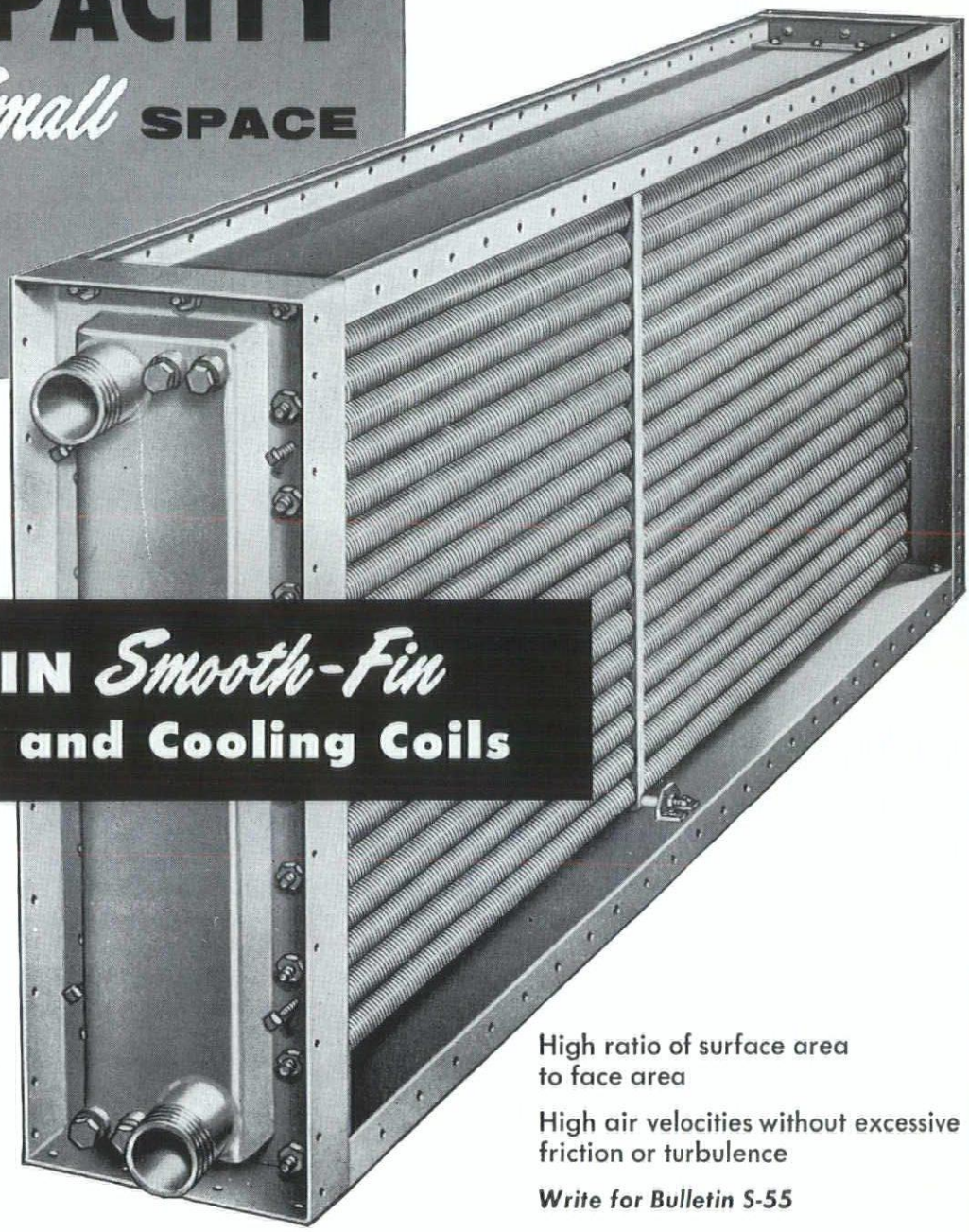

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ENGINEERING OFFICES IN PRINCIPAL CITIES

(Continued from page 11)

will be completed by the end of this year.

Richard Drury and Frank Podleski accepted the award for the firm at the Conference session in Chicago.

Harold C. Cunningham, partner, was the first president of the Northern Michigan Chapter, A.I.A.

Research Project Supported by AIA

The American Institute of Architects has undertaken to improve the capacity of the architectural profession for its expanding role in designing the nation's physical environment by authorizing an extensive research project to be conducted by Princeton University.

The Institute appropriated $100,000 for the initial 18-month phase of the research beginning this fall. A broad study of architectural education programs will be conducted by Princeton and a cross section of professional schools in the United States.

The project, to re-examine and possibly reorganize the professional training of the nation's architects, will involve the testing of new educational approaches and curricula.

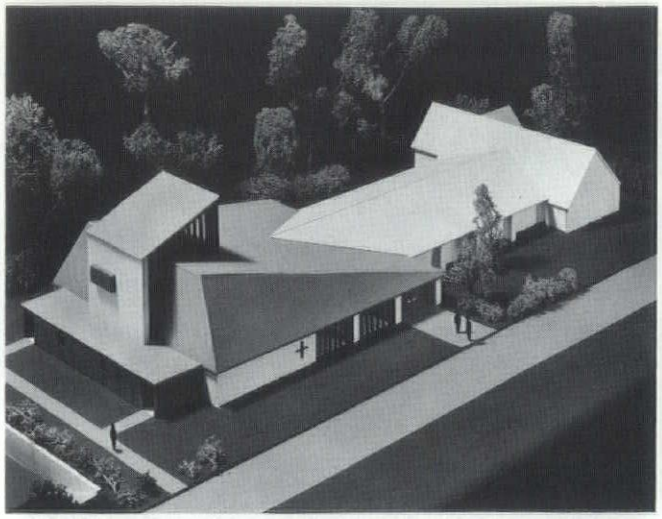
The study will be directed by Robert L. Geddes, dean of Princeton's school of architecture, and Bernard P. Spring, senior research architect at Princeton. The participating schools will develop new programs to be tested, based on specific educational goals.

The AIA board said its support of the research program reflected recognition of "the need for increased competence in the design of the American environment, of the necessity of developing and testing bold new ideas and procedures and perhaps even the invention of new education institutions to serve the expanding requirements of a complex society."

The study was recommended by AIA's Commission on Education and Research, which stressed the need for architecture to be concerned with the total physical environment and stated that attainment of environmental excellence will require a unified design profession. The project has been endorsed by the Association of Collegiate Schools of Architecture.

Special Report on Construction Safety

A special report on "Safety in the Construction Industry" has been published by the American Society of Safety Engineers in the September, 1965 issue of the Journal of the



St. Hubert's Church of Lyon Manor (photo of model)—Strong, Drury & Cunningham, Architects.

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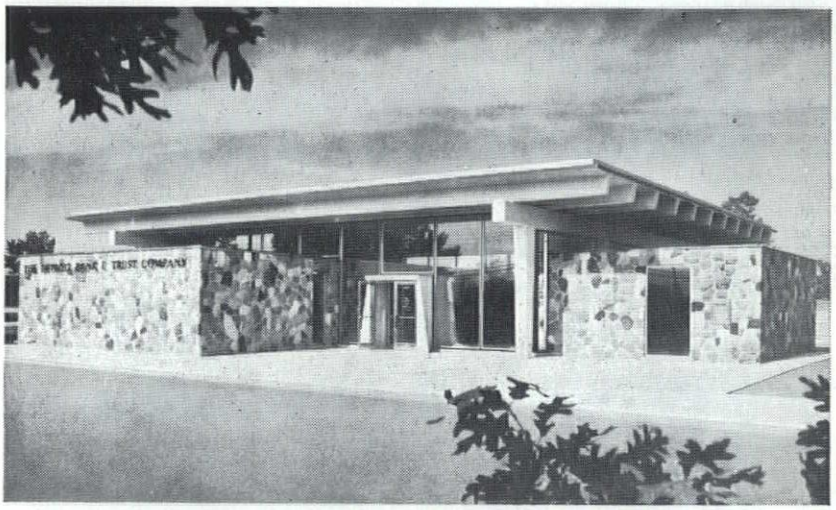

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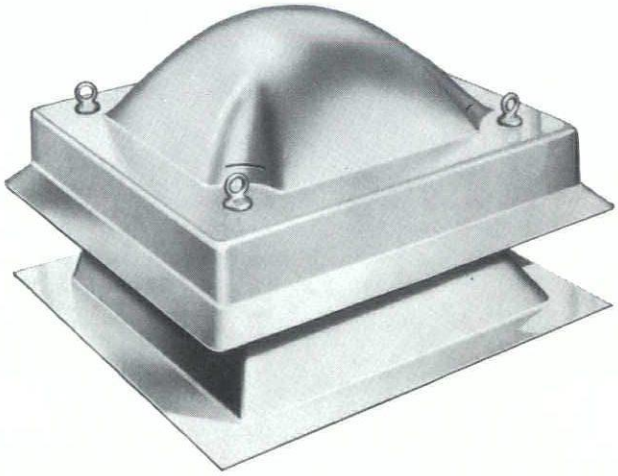

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American Society of Safety Engineers.

The report includes a review of the current state of accident prevention efforts in the construction industry, for years one of the high hazard industries in this country. The report also considers "special problems" of the construction industry and reveals what is being done by various segments of the industry to help reduce accident rates.

A special section of the report lists more than 12 organizations in the construction field with descriptions of their activities and the materials and services available to construction companies. In addition, an article on "The 'SPATS' Path to Construction Safety," by B. T. Cherry, manager of safety and labor relations for the H. K. Ferguson Co., Cleveland, Ohio, is also included in this issue. In this article, Mr. Cherry discusses the use of critical path scheduling techniques as adapted to the pre-planning of safety requirements by his company.

Copies of the September, 1965 issue of the Journal of the American Society of Safety Engineers are available at 75 cents each from the American Society of Safety Engineers, 5 N. Wabash Ave., Chicago, Illinois 60602.

Detroit Building Code Amendment Announced

The Bureau of Structural Engineering, Department of Buildings and Safety Engineering, City of Detroit, has advised that Ordinance No. 105-G, Chapter 12, Article 6, "Permitted Types of Construction Within Five Districts" (Building Code Amendment No. 5) is now in effect.

Arthur Moy, Bureau of Structural Engineering states, "The gist of this change is in Section 304 where Type 2C (unprotected non-combustible) construction is once again permitted in Fire Districts #2 and #3. Since these districts comprise all the main streets (other than those in Fire District #1) in Detroit, this permissivee change has far-reaching effects. Construction such as exposed steel frame will be permitted along main streets such as Gratiot, Grand River, Jefferson, Fort, Warren, Van Dyke, Michigan, and other main arteries."

Effective date of the amendment was August 26, 1965.

Huron Valley Chapter Activities

At the July meeting, the Huron Valley Chapter, A.I.A. had an informative discussion on assessments of buildings with guests Walter Lohde, Ann Arbor assessor; George Kostishak, Washtenaw County Equilization Adviser and Robert Marsh, Ypsilanti assessor.

Business occupied the agenda for the August monthly meeting.

In September, the Chapter viewed the recently purchased film "No Time for Ugliness" at a meeting held in the Conference Room of the Ann Arbor Federal Savings and Loan Association.

A.I.A. Conference for Architects' Attorneys

The A.I.A. has scheduled a meeting of attorneys who represent architectural firms in Boston on October 22 in the Sheraton-Park Hotel for one day. The meeting will be under the supervision of The Institute's legal counsel, Samual Spencer, Esq., 2000 Massachusetts Avenue, N.W., Washington, D. C. 20036.

This is a continuation of the series of meetings for attorneys representing architects and engineers, which have been held since 1962, with the purpose of informing those attorneys better in matters related to architectural practice, and with emphasis on the legal liability of architects for acts, errors and omissions.

The attendance at this meeting is restricted. Only those who are sponsored by an architect may attend.

Any A.I.A. member who wishes to sponsor attorneys who normally represent the architectural profession should so advise Mr. Spencer, who will then get in touch with the attorneys directly and give them details as to the program.

Each one in attendance must pay his own expenses to the meeting, but there is no registration fee.

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The Institute has held these meetings in connection with each convention since their inception, and for the years 1964 and 1965 has also instituted regional meetings in the Fall. The first regional meeting was held in San Francisco last year. The plan is to cover the United States geographically so that attorneys who could not afford the time and money for a trip across the country to attend one meeting will be able to get to another fairly close to his own office, in due time.

NASA Announces Center For Electronics Research

The National Aeronautics and Space Administration has authorized architects to proceed with detail designs for a 26-story tower building, a three-story microwave laboratory and an auditorium-cafeteria building at the Electronics Research Center, Cambridge, Massachusetts.

The high rise-low rise design concept was developed for NASA by the architectural team of Edward Durell Stone, Giffels and Rossetti, and Charles A. Maguire Associates. Construction of the three buildings is expected to begin next Spring, provided approval is given for urban renewal proceedings in the Kendall Square, Cambridge site.

The first three buildings, including the tower structure, will be built with $15 million in funds already approved by Congress for construction of the Center. The total cost of the center has been estimated at more than $60 million.

In addition, Dr. Kock said that the space agency has authorized the start of advance planning for additional laboratory and administrative facilities within the site, including a second 26-story tower.

The 378-foot tower will be 84 feet square and will be built with pre-cast concrete panels on reinforced concrete frame. It will have a basement floor, lobby floor, 22 laboratory or office floors and three floors of machinery. The building will house the Center's Qualification and Standard Laboratory, the Electronic Components Laboratory and a portion of the Engineering and Administrative functions.

The three-story Microwave Laboratory building to the north of the tower building will have special design facilities, including a 17-foot high basement for special purpose laboratory equipment.

The auditorium building will be constructed south of the tower and will have a 350 seating capacity. Below the auditorium will be a basement cafeteria. All three buildings will be connected by corridors at the basement level.

MSA Board Meets With Flint Chapter

The September meeting of the M.S.A. Board was held at The Wheelmakers, Bishop Airport, Flint.

Following the Board meeting, M.S.A. officers and directors joined the Flint Area Chapter for dinner and a program.

Roger Williams, Landscape Architect with the Flint Board of Education spoke on "Park-School Site Development", followed by a showing of the A.I.A. film, "No Time for Ugliness."

Daverman Associates Promotes Three

Richard E. Wiggins, AIA, architect and associate with the Grand Rapids firm of Daverman Associates has been named a partner in the firm and a director in the corporation according to a statement by the firm which also announced the promotion of two other personnel to key positions in the firm. Calvin Lane, AIA, has been named as head of the firm's design department and Kenneth L. Ball has been appointed as an Associate in the firm.

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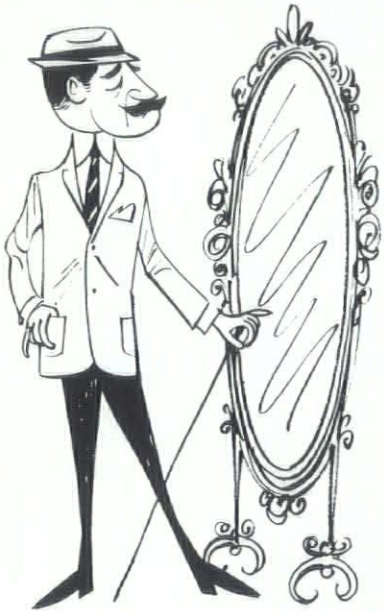

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Wiggins is a Registered Architect and a 1954 graduate of the University of Michigan's school of Architecture. Following his graduation he was employed in the school's Product Research Department. He joined the Daverman staff in 1960 as an architectural designer and was named an Associate in 1961. He is a member of Tau Sigma Delta and the Grand Valley Chapter of the American Institute of Architecture.

His appointment as a principal, brings the number of partners in the 60-year old firm to eight. Other partners are; Edward H. Daverman, Herbert G. Daverman, Joseph T. Daverman, Robert J. Daverman, Jack H Knol, Peter R. Van Putten and Jay H. Volkers.

Lane has been a member of the Daverman design staff for the past five years and is also a graduate of the U. of M.'s architectural school. He is a Registered Architect and a member of the American Institute of Architects. In his new position as head of the design department, Lane will supervise, coordinate and control the architectural design of all projects. According to Joseph T. Daverman, partner in charge of design, Lane will also "initiate a new program of internal design critiques aimed at providing the client with an integrated and collaborative solution to each design problem."

Ball, newly named Associate with the firm, joined the Daverman staff in 1955 as an architectural draftsman. He was promoted to the position of Job Captain in 1961. He is a Registered Architect and he attended the University of Michigan's architectural school. His promotion as an Associate brings the number of Associates in the firm to 14.

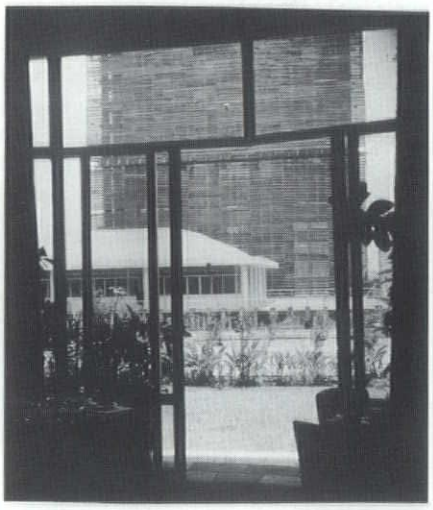

Photo taken in Sao Paolo, Brazil showing method of barricading high rise structures to prevent injury to pedestrians in crowded, narrow spaces between buildings.

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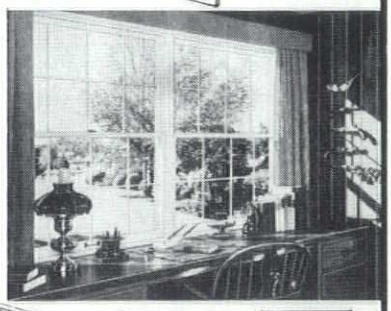

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Albyn Joins Tarapata-MacMahon

Tarapata-MacMahon Associates, Inc., have announced that Richard K. Albyn has joined the firm as a new principal. He was elected a vice-president and director and heads design development for the firm which has offices at 1191 West Square Lake Road, Bloomfield Hills.

Albyn was formerly vice president and a director of Linn Smith Associates, Inc., an architectural firm in Birmingham, Mich. In this capacity he handled many major school programs as well as several churches. He also was in charge of designing office buildings for a number of Detroit area banks and credit unions and for commercial remodeling commissions for the J. L. Hudson Co. in Detroit.

Prior to this Albyn was an associate in the architectural firm of Minoru Yamasaki & Associates of Birmingham, and Victor Gruen & Associates in Detroit.

A graduate of Grosse Pointe, Michigan, High School and the University of Illinois, Albyn is a member of the American Institute of Architects, the Michigan Society of Architects and the Michigan Society of Planning Officials. He is also a member of the Avon Township — Pontiac Township — Rochester Regional Planning Commission.

L.I.T. Student Chapter Activities Report

Officers of the 1965-66 school year for the Student Chapter A.I.A. at Lawrence Institute of Technology are: President, Gerald Yurk; Vice-President, Michael Krekorian; Night School Vice-President, John McComb; Recording Secretary, Jessica Giese and Treasurer, Frank Ozdarski.

L.I.T. students who attended the A.I.A. National Convention in Washington, D. C. in June were Harold Varner, Kenneth Livingston and Gerald Yurk. All three returned filled with enthusiasm about the A.I.A.'s

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"War on Community Ugliness" and have helped plan the Student Chapters' programs for the coming year, using the National Theme as their basis.

Gerald Yurk was appointed Regional Director for the Great Lakes Region of the Association of Student Chapters, A.I.A., while in Washington attending the National Convention.

Jarratt Named SH&G Associate

William R. Jarratt, AIA, has been named an associate of Smith, Hinchman and Grylls Associates, Inc., according to Robert F. Hastings, FAIA, president of SH&G. Jarratt joined the firm in November, 1964 and is serving as chief architect in charge of the architectural and specification departments.

Formerly a partner in Pirscher and Jarratt, architects, Jarratt received the degree of Bachelor of Architecture from University of Michigan in 1950. He had been associated with Albert Kahn, SH&G and Minoru Yamasaki & Associates, before forming his own partnership.

He has been a registered architect for 11 years, is a member of the American Institute of Architects, servnig as treasurer, 1963-64, and secretary, 1965, of the Detroit Chapter. He is also a member of the Michigan Society of Architects and the Michigan Association of the Professions.

* * *

Allied Arts Festival Program Announced

John V. Sheoris, chairman, has revealed details of the Detroit Chapter's Annual Allied Arts Festival to be held Saturday, November 20th.

The festival will open at the J. L. Hudson Co.'s downtown galleries with Albert Landry hosting a cocktail reception. An exhibition of sculpture by Sorel Entrog will be featured by the gallery.

Following the reception, a buffet

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supper will be served on the second floor of the McGregor Memorial Center, on the Wayne State University campus.

The evening program will be held in the Community Arts Building. Harriet Berg and the Wayne State Dance Workshop will perform an interpretive dance titled "Woodward." Paul Damaz, AIA, will speak on "Art in Urban Architecture." An extensive exhibit on the same subject will be on view during the evening in the lobby of the Community Arts Building.

In addition to Sheoris, the committee includes Yoshizo Machida, AIA, Vice-chairman; David Spalding, AIA; Roderick E. Warren, AIA; David H. Lee, AIA; Montgomery Ferar, AIA; Donald Richards, AIA; Victor J. Shrem, AIA; William S. Quinlan, AIA; Clarence E. Roy, ASLA; Shirley A. Jannuzzi and Gerome Chirco, Associate Members of the Chapter.

Two Films on School Space Division Available

Architects and school officials concerned with getting maximum use of available school space will welcome two new five-minute, full-color movies, featuring outstanding examples of modern school design.

The two movies are produced by New Castle Products, Inc., New Castle, Indiana, manufacturers of a broad line of Modernfold operable walls and room dividers. Each spotlights an outstanding example of progressive school planning in which a distinctive approach is used to obtain flexible, multi-purpose use of specific school areas by means of Modernfold operable walls.

Arrangements to have them shown can be made by contacting a local Modernfold representative or writing directly to: Architectural Service Department, New Castle Products, Inc., 1706 "I" Avenue, New Castle, Indiana 47362.

Hammetts Start World Tour

Prof. and Mrs. Ralph W. Hammett leave October 6 on a five months trip around the world.

Prof. Hammett, whose terminal leave from the University of Michigan's College of Architecture & Design started July 1, 1965 will be retired officially June 30, 1966. His practice of architecture will continue however.

The firm of Hammett & Pettys, Architects, maintains offices at 321 S. Main Street, Ann Arbor. Prof. Hammett will resume active participation in their practice upon his return from the world tour.

Institute Staff Changes Announced

The American Institute of Architects has announced the appointment of Kenneth C. Landry, AIA as Administrator of Governmental Affairs, a new post created to increase the service the Institute can provide to federal agencies seeking to improve their design capabilities. Landry, a member of the Institute staff since April 1962, has been Administrator of its Department of Public Services for the past two years.

M. Elliott Carroll, AIA, for the past 2½ years Administrator of the Department of Professional Services, succeeded Landry as Administrator of the Department of Public Services. A member of the AIA staff since 1960, Carroll will continue to be staff executive to the Committees on Aesthetics and Industrial Architecture and he will also staff the Committee on International Relations.

Robert J. Piper, AIA, Director of the Institute's Professional Practice Programs and Urban Design Programs since September 1961, has been promoted to succeed Carroll as Administrator of the Department of Professional Services.

Leonard Mayer, AIA, succeeded Piper as Director of Professional Practice Programs. He had been with the Washington firm of Faulkner, Kingsbury and Stenhouse. Architects, where he was a project manager, primarily on hospital designs. Before that he was with the planning and research department of the Perkins and Will Partnership in Washington.

Hastings Addresses Sweets Catalog Reps

Greater opportunity and greater responsibility for the manufacturers of products and systems were called for by Robert F. Hastings, FAIA, in a recent speech before representatives of Sweet's Construction Catalog Services at Hyannis, Mass.

In addressing the group, Hastings pointed out the expanded services which present day architects offer their clients and the need for specific and comprehensive testing, claims and assistance from the manufacturer-producer.

"In order to provide the full service in its most effective manner, the architectural profession requires greater responsibility and assistance from the manufacturer-producer of many building products and systems," he said.

Hastings outlined a four point program for the manufacturer—testing of materials along the lines of the architects' specific needs, acceptance of full responsibility for the performance results claimed, willingness to explore

new approaches to the solution of difficult building problems and closer liaison with architects during the earliest planning stages of new buildings.

Detroit Chapter, CSI 1965-66 Officers Elected

Leo G. Shea, AIA, of Louis G. Redstone, Architects, Inc., has succeeded Erroll R. Clark, AIA, as President of the Detroit Chapter of the Construction Specification Institute.

Other officers for 1965-66 include William M. Brenan, Smith, Hinchman & Grylls, First Vice-President; Andrew R. Rae, Williams Seals & Gaskets, Second Vice-President; John Urban, Minoru Yamasaki & Associates, Secretary and Neil Warren, Detroit Edison, Treasurer.

Karl Hans Greimel, AIA, will serve in a liason capacity for CSI with the Detroit Chapter, AIA and the Michigan Society of Architects.

ASTM Standards in Building Codes Available

The new building code compilation, "ASTM Standards in Building Codes," has recently been published by the American Society for Testing and Materials. All of the ASTM standards on materials used in the construction of buildings are amassed in this, 480-page book. In combining all such standards under one cover, this compilation performs a valuable service for all those who use building codes.

Of the 289 standards detailed in this 1965 building code compilation, 33% are new, revised, or changed in status since the previous edition. Approximately 50% of the standards have been approved as American Standards by the American Standards Association.

Copies of "ASTM Standards in Building Codes" are available from ASTM Headquarters, 1916 Race Street, Philadelphia, 19103. Prices if prepaid: $15.00; to ASTM members: $10.50.

A. M. Davock Joins Detroit Testing Lab.

The Detroit Testing Laboratory announces the appointment of Alfred M. Davock, P.E. to be in charge of its Applied Research Department. Davock joined the staff of Detroit Testing on a full-time basis in mid-September, having been associated with the Laboratory as a consultant on many previous occasions.

He studied Aeronautical Engineering at the University of Michigan and then did product and industrial design work prior to joining the Jam Handy Organization as a Project Engineer. For the past few years Davock has served several Detroit manufacturers in a consulting capacity and has been active as Director of several. He is a member of the Engineering Society of Detroit, Optical Society of America, Society of Photographic Scientists and Engineers, and Society of Motion Picture and Television Engineers.

Letters

Dear Mr. Hughes,

Having read the latest edition of the "Monthly Bulletin" I wish to register a complaint.

The liquor ads, in my opinion, are out of place in an architectural magazine. This is not the type of advertising that lends dignity to our profession, nor does it inspire confidence and trust in the architects whose work appears in the magazine. By no stretch of the imagination can I see any connection between liquor ads and the architectural field.

Is advertising so hard to come by that you must use alcohol to maintain the publication of a magazine presumably dedicated to furthering good design and the profession of architecture.

Hoping I will not have the shock of seeing more of these ads in future editions of the "Monthly Bulletin."

Sincerely yours,
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Announcements

John Wiley & Sons, publisher of "Architectural Graphic Standards," urgently needs job captains and/or senior architectural draftsmen for at least a year's work. Applicants should have considerable experience and familiarity with commercial and institutional projects. Address inquiries to Miss Frances Clarke, John Wiley & Sons, 605 Third Avenue, New York, New York.

* * *

The new AIA film, "No Time For Ugliness" is now available for showing to civic groups, schools, architectural offices and others. The 27-minute, 16mm, sound film may be obtained at no cost from the office of the Executive Director, MSA, 28 West Adams, Detroit.

* * *

The AIA Journal is again available to Chapter Associates and Professional Associates at a reduced rate of $2.50 per year.

Checks payable to the AIA Journal should be sent to the attention of James B. Hughes, 28 West Adams, Detroit 26, Michigan.

John V. Sheoris, AIA, has been appointed to serve the Plan Commission for the City of Grosse Pointe Park.

* * *

Harvey A. Schuler has retired from Kinnear Manufacturing Company after 53 years service. He will continue to serve as Chairman of the Board of Mechanical Heat & Cold, Inc.. however.

He has been succeeded at Kinnear by William K. Page, Jr. as District Manager for the new District Office and Warehouse serving the Detroit Area.

Page has been Kinnear's District Manager at Cincinnati for the past five years and has served in various capacities in the Cleveland and Home offices in Columbus.

* * *

Donald J. Blake, Jr., has been appointed Division Manager, Stylon Corporation for the Michigan-Ohio Sales Area.

Company Warehouse Manager prior to his new appointment, Blake had been associated previously with Michigan Tile & Marble Co.

His office is at 13300 Northend Street, Oak Park.

The Vermont Marble Company has announced the formation of Desco Coatings of Detroit, a Division of the Detroit Marble Company.

The new Division is the exclusive franchised sales representative and contract applicator for all Desco special architectural coatings in the greater Detroit marketing area.

Desco Coatings of Detroit is managed by W. F. Iselin, who comes to Detroit from another Desco operation in Indianapolis.

* * *

John E. Tobias has joined the sales staff of Adams Concrete Products as assistant sales manager, according to George E. Adams, president. Born and educated in Detroit and a resident of Ann Arbor since 1945, Tobias has 19 years of experience in the building supply field locally.

Mr. Adams said that the new position was created as part of the firm's expansion and construction program. Construction has begun on a new manufacturing plant in the Ann Arbor-Ypsilanti area which will double the production potential of concrete blocks and shapes.

He is well acquainted with contractors within Adams' area of service. "He will be working with these people in a four-county area," Mr. Adams said.

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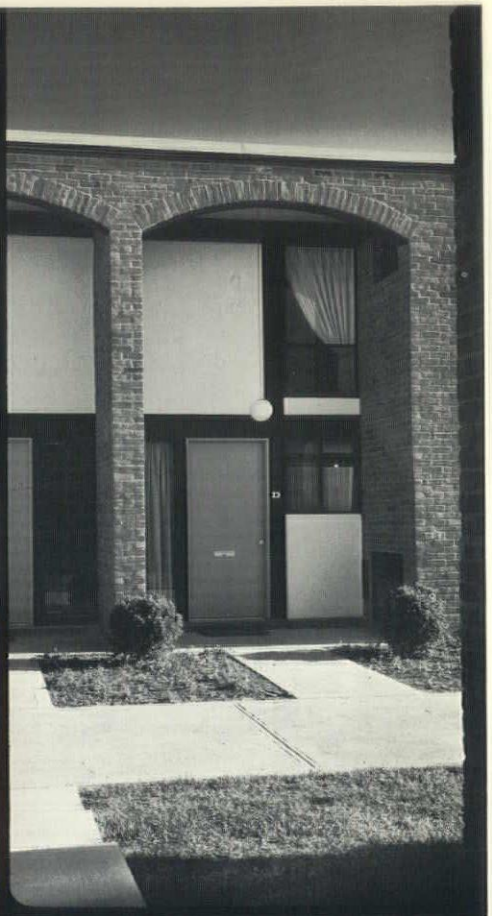

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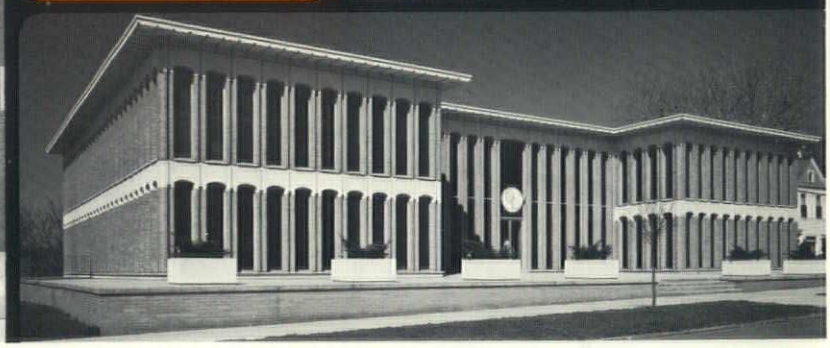

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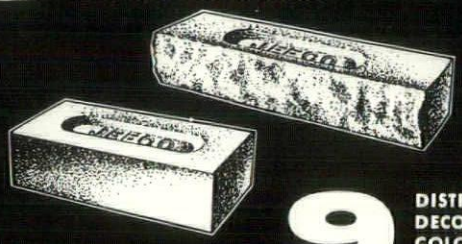

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CALENDAR

Oct. *12* Governor's Conference on Natural Beauty for Michigan — Jack Tar Hotel — Lansing — 9:30 A.M.-5:00 P.M.

14 *thru 16* — Architects Society of Ohio — Annual Convention — Atwood Lake Lodge — Atwood Lake, Ohio.

21 *thru 23* — Pennsylvania Society of Architects — Annual Forum — Hershey Hotel — Hershey, Penna.

21 Detroit Chapter Annual Meeting — Dearborn Inn, Dearborn — Cocktails 6:00 P.M. — Dinner 7:00 P.M. — Meeting 8:00 P.M.

23 *thru November 12* — Museum of Art — U. of M. — Exhibition of Walter Gropius.

25 M.S.A. Board & Western Michigan Chapter Meetings — Schuler's, Marshall — M.S.A. Board 12:30 P.M. — Western Michigan Chapter Dinner Meeting 7:00 P.M.

Nov. *3* Reception, Dinner, Program — Locations to be announced U. of M. — Arch. & Des. Aud. 3:30 P.M. — Dr. Henry P. Logan, "Lighting and the Controlled Environment."

20 Detroit Chapter Allied Arts Festival — Exhibition, Reception, Dinner, Program — Locations to be announced.

Dec. *8* M.S.A. Board Organizational Meeting — Detroit Boat Club — 12:30 P.M.

1966

March *16* *& 17* — M.S.A. 52nd Convention — Statler-Hilton — Detroit.

May *3* *and 4* — Architectural Symposium — U. of Michigan — sponsored by U. of M., M.S.A. & Mich. Electric Association.

June *28* *thru July 1* — A.I.A. Convention — Denver Colorado.

August *4* *thru 6* — M.S.A. Mid-Summer Conference — Grand Hotel — Mackinac Island.

1967

April *12* *& 13* M.S.A. 53rd Annual Convention — Civic Center — Lansing.

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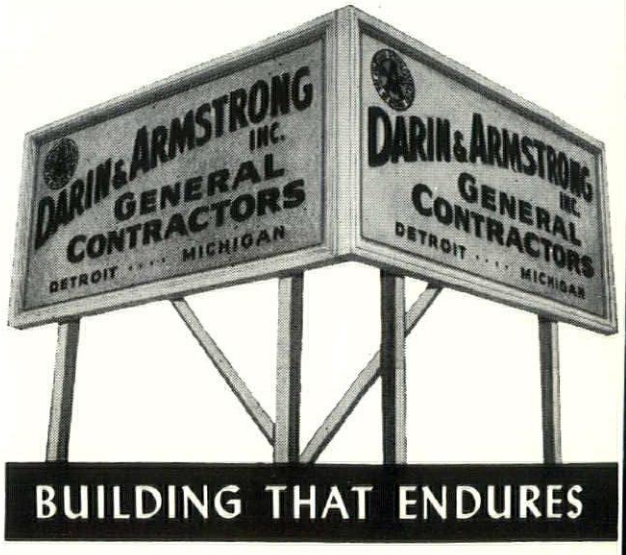

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Anthony Asher, Executive Secretary

STATEMENT OF POLICY

SPECIFICATIONS AND BID PROCEDURES
FOR AIR HANDLING INSTALLATIONS

Gentlemen:

Years ago, the use of ventilation in buildings was minimal and air conditioning as it is presently known and used was almost nonexistant. It is understandable then that the portion of the mechanical work performed by the air handling contractor was relatively insignificant. However, the significance of the air handling contractor's role has greatly increased over the years, and today, the air handling installation on buildings equals, and in many instances, exceeds the work performed by the mechanical contractor. However, the preparation of specifications in large part has remained unchanged during the same course of years. The air handling contractor is still expected to place his bid through the mechanical contractor, based upon specifications which do not separate the air handling installation from the mechanical portion of the specifications.

Reason and economy dictate that the better practice would be that separate specifications be adopted for the air handling installation. For instance, the mechanical contractor, as does the electrical contractor, bids directly to the owner, architect, or prime contractor, and since his bid includes the air handling portion of the work, an additional charge of three to ten per cent on that portion of his bid is added because of responsibility assumed by the mechanical contractor for the air handling installation. This additional charge is waste and is unnecessary since most coordination in the construction of a building is needed between the air handling contractor and the architectural trades which is supervised by the general contractor rather than coordination with the mechanical contractor.

Additionally, because of the mechanical middle man, bid auctioning (composed of equal parts of bid shopping and bid peddling) has been a constant plague in the construction industry and leads to a reduction in the quality of work performed.

It should also be noted that with a separate and distinct specification, the architect and engineer on any job could readily check the thoroughness of the specifications and also achieve assurance of the completeness of each contractor's bid. By setting forth every item a respective contractor would be required to bid, his area of responsibility would be clearly defined. This obviously eliminates any possibilities of misunderstanding, duplications and overlapping, all to the mutual benefit of everyone.

Because of all of the foregoing, it is the opinion of the Sheet Metal Employers Association of Detroit that air handling contractors should enjoy the same equal status as does the mechanical and electrical contractors, and the Association has adopted a policy of effectuating the accomplishment of these goals which calls for separate specifications and bidding on the same basis as the mechanical contractor. This policy is applicable wherever an engineer's seal is required by state or local authorities.

To resist the natural evolution of change where such change is beneficial not only to the construction industry but the public as well seems to assure harmful results. Therefore, it is certain that the time is fast approaching when equal treatment and separate specifications for the air handling installation will be reality which will result as a mutual benefit to everyone.

Very truly yours,

SHEET METAL EMPLOYERS ASSOCIATION OF DETROIT

Anthony Asher

Anthony Asher
Executive Secretary

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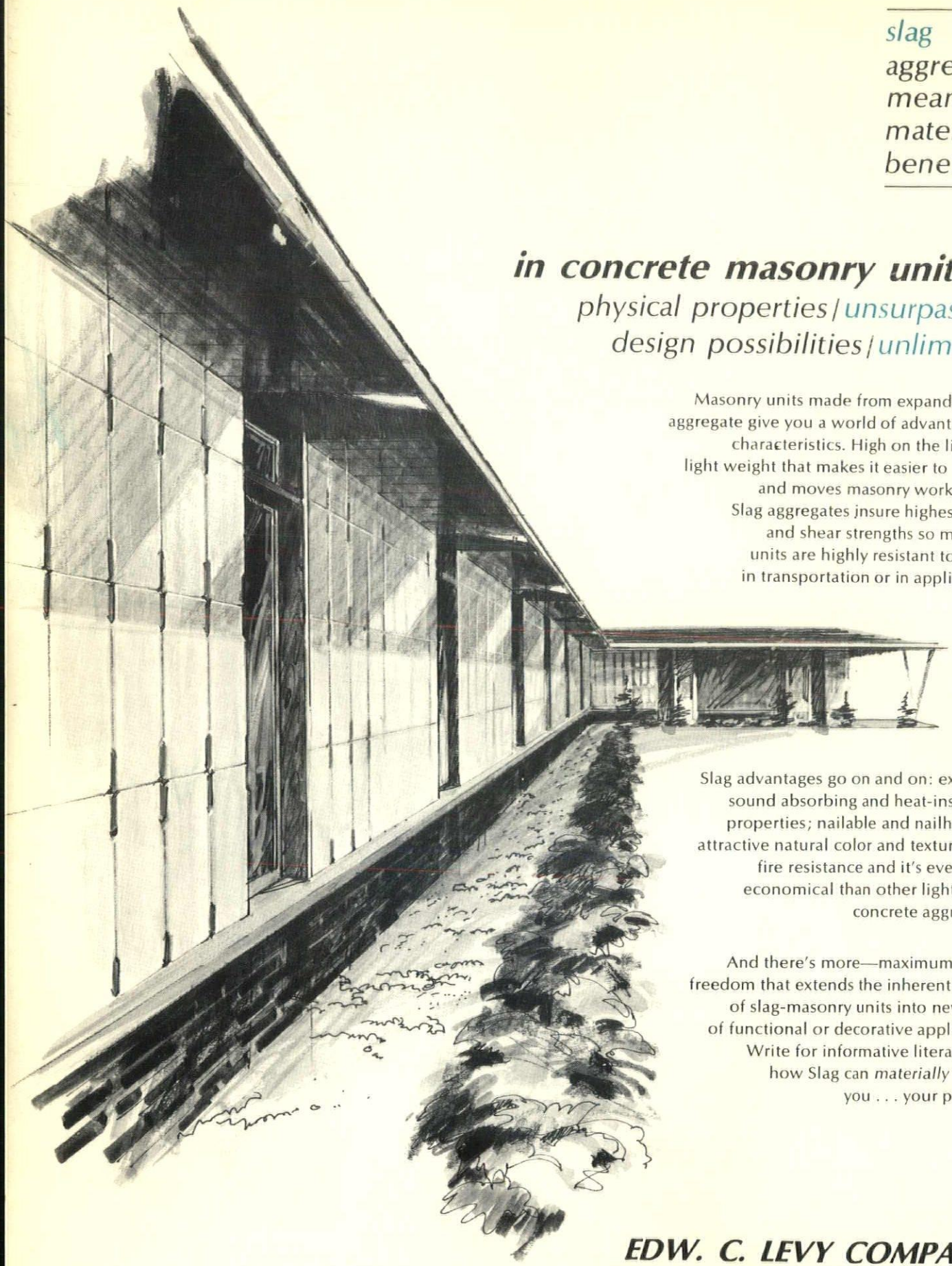

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